



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

July 14 Storm Damage Summary

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Regulatory Strategy and Engineering

Quarterly Public Meeting

August 26, 2015

The Day After.....July 15, 2015

- On July 15, 2015, CHBWV, DOE, New York State Energy Research and Development Authority (NYSERDA) and the New York State Department of Environmental Conservation (NYSDEC) walked down the storm-affected areas including:
 - Lake 1 Spillway
 - Security fence undermining from off-site storm flow
 - HLW Haul Road crossing at Erdman Brook
 - Parshall flume area debris accumulation
 - S-09 Outfall
 - NYSERDA Erdman Brook and the Franks Creek plunge pools (Lee Gordon will present updates on behalf of NYSERDA)
- The Engineer of Record and two CHBWV employees also conducted a site visit to inspect the dam system spillway erosion



Route 219 in Front of the AOC

Lake 1 Spillway

- A topographic survey of the Lake 1 Spillway was performed to capture current condition and plans for short-term clean-up response actions
- Engineer of Record reported no immediate threat to Lake 1 Spillway or Lake 1 Dam



Lake 1 Spillway Before the Storm



Lake 1 Spillway After the Storm

Site Security Fence



CHBWV Repaired the Gap in the Fence on June 17 with 54 Tons of Surge Stone

High-Level Waste Haul Path

- On July 15, the extent of damage under the Haul Road in the Erdman Brook area was evaluated
- Haul Path erosion damage caused by heavy rains the previous week were repaired on July 17



Parshall Plume



Erosion occurred upstream of the Parshall Flume (located in Franks Creek) with debris accumulation at discharge pipes in Parshall Plume cleared; debris must be cleared



Existing S-09 Discharge



**Additional Erosion of S-09 Discharge Pipes
Caused by the Storm**



**Progress Continued with the Storm Water Outfall
Relocation Project**

Questions?